

HDR-XR100

80GB¹ HDD High Definition Camcorder

AVCHD

1920x1080
recording

Full HD
1080

ClearVid
CMOS sensor

Exmor
CMOS Sensor

ZEISS

DOLBY
DIGITAL
5.1 CREATOR

Face
Detection
for video & photo

Smile Shutter

2.7" WIDE
LCD Monitor

InfoLITHIUM

HDMI

HI-SPEED USB
USB 2.0

PMB
Picture Motion Browser

ClearVid
CMOS sensor

The Sony® HDR-XR100 Handycam® camcorder records stunning, 1920 x 1080 high definition video and crystal clear still photos to a built-in 80GB¹ hard disk drive. Building on the convenience of Face Detection technology, the HDR-XR100 features Smile Shutter™ technology, which can automatically detect smiles and shoot still images, even while recording video.

- 1920 x 1080 high definition video recording:
1920 x 1080 high definition resolution lets you record your memories in exceptional Sony® Full High Definition quality².
- 4 megapixel still image capture:
4 megapixel still image capture lets you take high resolution digital photos.
- 80GB hard disk drive:
A built-in 80GB¹ hard disk drive can record and store up to almost 32 hours of high definition video footage (HD LP mode), or up to almost 56 hours of standard definition footage (SD LP mode). In addition, "HDD Smart Protection" gives you peace of mind by helping to prevent any recorded video and images from being lost if the camcorder is accidentally dropped.
- Face Detection technology for Video Footage and Digital Still Photos:
Made possible by the BIONZ™ image processing engine, Face Detection technology recognizes up to 8 faces anywhere in the frame and by selecting the most prominent, automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection technology also helps make skin tones look natural without affecting other colors in the image. On AVCHD models, the camcorder allocates encoding bits on detected face areas prior to encoding other parts of the picture, making them sharper and clearer. In still picture mode, Face Detection technology sets the flash level to optimize picture clarity.
- Smile Shutter™ technology for still and dual capture:
Smile Shutter™ technology lets the camcorder automatically take still photos when your subject smiles, even while shooting high definition video. You can also set the sensitivity and choose child, adult, or auto priority.
- SteadyShot™ image stabilization:
SteadyShot™ image stabilization reduces blur caused by camera shake and vibration, so your images stay crisp and clear.
- 2.7" wide touch panel³ Clear Photo LCD Plus™ display:
2.7" wide (16:9)³ touch panel Clear Photo LCD Plus™ display provides excellent viewing clarity with improved resolution (211K pixels). The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The convenient touch panel allows easy access to menus and additional functionality such as spot focus and spot metering.
- Power On by opening LCD display:
Power on your camcorder by simply opening the LCD display.
- Professional-quality Carl Zeiss® Vario-Tessar® Lens
Carl Zeiss® Vario-Tessar® lenses use highly advanced optics to deliver vivid image brilliance, true-to-life color saturation, and perfect renditions of subtle tones.
- 10X Optical / 120X Digital Zoom:
10X optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that digital zooming (up to 120X) is clearer, with less distortion than previous types of digital zoom.

ADDITIONAL FEATURES

- 1/5" Exmor™ CMOS sensor with ClearVid™ array
- Dolby® Digital 5.1ch recording with Built-in Zoom Mic:
- Dual Record with 2.3MP still image capture:
- Includes Sony® PMB (Picture Motion Browser) software:
- Smooth Slow Record:
- x.v. Color™ technology for superior color:
- HDMI™ connection output:
- USB 2.0 interface:



HDR-XR100

80GB¹ HDD High Definition Camcorder

Specifications

General

Imaging Device: 1/5" Exmor™ CMOS sensor with ClearVid™ array
Pixel Gross: 2360K
Recording Media: 80GB Non-Removeable Hard Disk Drive
Memory Stick PRO Duo™ Media (Sold Separately)
Recording and Playback Times: 80GB HDD:
High Definition: FH = up to 580 min., HQ = up to 1180 min., SP = up to 1440 min., LP = up to 1920 min.
Standard Definition: HQ = up to 1180 min., SP = up to 1750 min., LP = up to 3360 min
Video Actual: 1430K Pixels (16:9), 1080K Pixels (4:3)
Still Actual: 1490K Pixels (16:9), 1990K Pixels (4:3)
Processor: BIONZ™ image processor
Video Resolution: 1920 x 1080
Still Picture Resolution: 4 megapixel

Audio

Recording Format: Dolby® Digital 5.1
Microphone: Built-in Zoom Microphone

Convenience

Memory Stick PRO™ Media Compatibility: Memory Stick PRO Duo™ Media (Sold Separately)
Still Image Mode(s): JPEG
Face Detection: Yes
Hybrid: Yes
Quick On: Power on by LCD
Dual Record: 2.3 megapixel
Dynamic Range Optimizer: Yes
Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
Image Stabilization: SteadyShot™ image stabilization
Smile Shutter™ technology: Yes

Convenience Features

Easy Operation: Yes
Multiple Language Display: Yes
Slide Show Mode: Yes
Fader Effect(s): Black, White
Face Index: Yes
Film Roll Index: Yes
Photo Capture from Movie: Yes
x.v.Color™ : Yes
BRAVIA® Sync™ : Yes

Video

Format: HD: MPEG4 AVC/H.264; SD: MPEG2
Video Signal: HD: 1920 x 1080/60i; SD: NTSC color, EIA standards

Video Features

PhotoTV HD: Yes

Inputs and Outputs

Analog Audio/Video Output(s): Included (via A/V Remote Terminal)
Digital Audio/Video Output(s): HDMI
USB Port(s): Hi-speed (2.0 compliant)
Component Video (Y/Pb/Pr) Output(s): Supplied (via A/V Remote jack)
S-Video Output(s): Sold separately (via A/V Remote jack)
HDMI™ Connection Output(s): Yes (mini)
Audio/Video Remote Terminal: Video / S Video / Audio / Component Out / Remote

Display

LCD Screen: 2.7" wide touch panel² Clear Photo LCD Plus™ display (211k pixels)

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media¹
Manual / Auto Lens Cover: Manual
S/S & Zoom button on LCD: Yes

Optics/Lens

35mm Equivalent: 42 - 497mm (16:9), 52 - 608mm (4:3)
Aperture: F1.8-2.2
Exposure: Yes (Touch Panel)
Filter Diameter: 30mm
Focal Distance: 3.2 - 32mm

Focus: Full range Auto / Manual (Touch Panel)
Shutter Speed: Auto (Slow Shutter ON), 1/30 - 1/1000;
Auto (Slow Shutter OFF) 1/60 - 1/1000;
Scene Selection, 1/2 - 1/1000
Optical Zoom: 10x
Digital Zoom: 120x
Resolution: 4 megapixel still
Lens Type: Carl Zeiss® Vario-Tessar®
Minimum Illumination: 5 lux
(Auto Slow Shutter ON, 1/30 Shutter Speed)

Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)
Power Consumption (in Operation): 3.9W

Service and Warranty Information

Limited Warranty Term: Limited Warranty --- 1 Year Parts; 90 Days Labor

Software

Supplied Software: PMB Ver.4.2.00 Supports Windows 2000 Professional Service Pack4?SP4?, Windows XP Service Pack3?SP3?32bit?
Windows Vista Service Pack1?SP1?32bit/64bit?. Not supported by Mac OS.

Dimensions

Weight: w/o battery: 11oz (330g), w battery: 14.5oz (410g)
Measurements: 2 3/4 x 2 3/4 x 5 1/8 inch (69 x 68 x 129mm)

Supplied Accessories

AC adaptor (AC-L200)
Rechargeable Battery Pack (NP-FH60)
Component A/V Cable
A/V Connecting Cable
Application Software / USB Driver / (CD-ROM)
USB Cable

Optional Accessories

Rechargeable InfoLITHIUM Batteries (NP-FH50/FH70/FH100)
Case (LCS-BBDB/R/L)
Starter Kit (ACC-ASH6, ACC-HDH6)
AC Adaptor/Charger for H series batteries (AC-VQH10)
Travel Charger (BC-TRP)
Wide Angle Conversion Lens (VCL-HGE07A)
HDMI Cable (mini) (VMC-30MHD)
Tripod (VCT-80AV)
Video Light (HVL-10NH)
Underwater Sports Pack (SPK-HCE)
GPS Unit (GPS-CS3KA)

UPC Code: 027242765238

1. 80GB equals 80 billion bytes, a portion of which is used for system management and/or application files. Available capacity is approximately 79.3GB after deleting the 390MB demonstration video.
2. This camcorder captures high definition footage in the AVCHD format. DVD media containing AVCHD footage should not be used with DVD based players or recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage must only be played back on a compatible Blu-ray Disc devices, PC with supplied software or PLAYSTATION®3 devices.
3. Viewable area measured diagonally.
9. Requires Microsoft Windows XP SP3 / Windows Vista SP1. Not supported by Mac OS.
10. Smooth Slow Record captures 3 seconds of video which play back over 12 seconds.

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